

APPARATUS AND METHOD FOR SETTING PRESSURE IN A FUEL
DELIVERY SYSTEM

5 ABSTRACT

A fuel delivery system for a vehicle having an engine, comprising: a pump being configured to provide fuel to the engine; a fluid pathway being in fluid communication with an outlet port of said pump at one end; a regulator being disposed in the fluid pathway, the regulator regulating pressure of the fuel when said pump is pumping fuel into the fluid pathway; and a combination valve being disposed in the fluid pathway, the regulator being located between the combination valve and the outlet port of the pump, wherein the combination valve provides a check valve configured to allow fuel flow in a first direction and a system pressure relief valve configured to allow fuel flow in a second direction, the first direction being opposite to the second direction and the first direction being the same direction fuel is pumped in the fluid pathway by the pump.